In the Claims

1.(**canceled**)

2.(**canceled**)

3.(**canceled**)

4.(**canceled**)

5.(**canceled**)

6.(**canceled**)

7.(**currently amended**) A method of producing a variable acceleration vector on a mass comprising the steps of:

~~visually isolating the mass from its surrounding~~ positioning a mass inside an simulator room;

rotating the ~~mass~~ room relative to a center axis,

rotating the ~~mass~~ room relative to a second axis parallel to the center axis;

rotating the ~~mass~~ room relative to a third axis perpendicular to the second axis, where the three rotating steps ~~to~~ produce a desired acceleration vector on the mass within the room; and

changing a magnitude and/or direction of the acceleration vector acting on the mass inside the room.

8.(**currently amended**) The method of claim ~~1~~ 7, where the changing step includes:

changing a rate of rotation about the center axis, the second axis and/or the third axis.

9.(**currently amended**) The method of claim ~~1~~ 7, further comprising the step of:

changing a distance between the ~~mass~~ room and the center axis.

10.(**currently amended**) The method of claim ~~1~~ 7, where the changing step includes:

changing a rate of rotation about the center axis, the second axis, the third axis and/or a distance between the ~~mass~~ room and the center axis.

11.(**currently amended**) A method of producing a virtual reality effect comprising the step of:

~~visually isolating the~~ positioning a person in an acceleration seat ~~mass from its surrounding~~ in a simulator room including at least one video screen;

displaying on the at least one video screen a simulated image;

rotating the ~~mass~~ room relative to a center axis, a second axis parallel to the center axis and a third axis perpendicular to the second axis to produce an acceleration vector; and

changing a magnitude and/or direction of the acceleration vector,

where the image and acceleration vector are temporally associated to produce a simulated temporal event.

12.(**previously added**) The method of claim 11, where the changing step includes:

changing a rate of rotation about the center axis, the second axis and/or the third axis.

13.(**currently amended**) The method of claim 11, further comprising the step of:

changing a distance between the ~~mass~~ room and the center axis.

14.(**currently amended**) The method of claim 11, where the changing step includes:

changing a rate of rotation about the center axis, the second axis, the third axis and/or a distance between the ~~mass~~ room and the center axis.

15.(**currently amended**) A method of producing a variable acceleration vector on a mass comprising the steps of:

creating ~~a~~ an acceleration vector having a magnitude and direction on a mass ~~visually isolated from its surrounding in~~ positioned inside a simulator room through rotation about three axes, two of which are parallel, while the third is perpendicular to the two parallel axes; and

varying the magnitude and/or direction of the acceleration vector.

16.(**currently amended**) The method of claim ~~1~~ 15, where the changing step includes:

changing a rate of rotation about the center axis, the second axis, the third axis and/or a distance between the ~~mass~~ room and the center axis.

17.(**previously added**) A machine for creating a changing force direction and magnitude sensed by an object over time comprising:

a positioning containment including an object, where the containment is mounted on a rotatable base,

a counter balance mass mounted on the base opposite the positioning containment;

a rotating means adapted to rotate the base, and

an angular orientating means adapted to orient the positioning containment,

where the rotating means and the angular orientating means cooperate to produce a desired acceleration vector on the object and to change the acceleration vector in time.

18.(**currently amended**) The machine of claim 17, further comprising:

an distance adjusting means adapted to ~~simultaneously~~ change a distance between ~~a center axis of rotation of the rotating means and~~ the positioning containment and ~~between the center axis and~~ the counter balance mass,

where the rotating means, the angular orientating means and the adjusting means cooperate to produce the acceleration vector on the object.

19.(**currently amended**) A machine for creating a changing force magnitude sensed by an object over time comprising:

a positioning containment including an object, and

a means adapted to create an acceleration vector on the object which changes with time relative to a ~~simulation~~ simulated event.

20.(**currently amended**) The machine of claim ~~17~~ 19, wherein the means includes:

a rotatable base upon which the positioning containment is mounted,

a counter balance mass mounted on the base opposite the positioning containment,

a rotating means adapted to rotate the base;

an angular orientating means adapted to orient the positioning containment relative to the base;

an distance adjusting means adapted to simultaneously change a distance between a center axis of rotation of the rotating means and the positioning containment and between the center axis and the counter balance mass,

where the rotating means, the angular orientating means and the adjusting means cooperate to produce the acceleration vector on the object.

21.(**currently amended**) A machine for creating a changing force direction and magnitude sensed by an object over time comprising:

a rotatable base mounted on an anchor and including a rotating means adapted to rotate the base;

a ~~visually isolated,~~ rotatable simulator room mounted on the base including

an acceleration seat,

a rotary means adapted to rotate the simulator room,

an angular orientation means adapted to angularly orient the simulator room relative the base, and

at least one video screen adapted to display a simulated image,

a counter balance mass mounted on the base opposite the simulator room, and

an distance adjusting means adapted to ~~simultaneously~~ change a distance between a ~~center axis of rotation of the rotating means and the positioning containment~~ simulator room and ~~between the center axis and~~ the counter balance mass,

where the rotating means, the rotary means, the angular orientating means and the adjusting means cooperate to produce the acceleration vector on the object and where the image and the acceleration vector varies in time relative to a simulated event.

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Respectfully submitted,

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